

LOCKHEED AIRCRAFT CORPORATION		ENGINEERING STUDY <input type="checkbox"/>	CHANGE PROPOSAL <input checked="" type="checkbox"/>	LAC - 131							
DATE 24 JULY 1962		AFFECTS: WSPO <input checked="" type="checkbox"/>		PROJECT <input checked="" type="checkbox"/>							
NAME OF MAJOR COMPONENT SEAT EJECTION SYSTEM		PART OR LOWEST SUBASSEMBLY		PART NO. & MODEL OR TYPE							
TITLE OF PROPOSAL : EJECTION SYSTEM MODIFICATION											
NATURE OF PROPOSAL : TO MODIFY THE EJECTION SYSTEM AS FOLLOWS:											
<ol style="list-style-type: none"> 1. Replace M-4 Catapult With Rocket Power Catapult P/N 2202-11. 2. Modify Telescoping Tracks And Fit The Seat With Track Snatchers To Pick Up Telescoping Tracks During Ejection. 3. Relocate Head Bar And Fit Bar With Canopy Breaker Points. 4. Beef Up The Floor Structure To Take Higher Catapult Loads. 5. Replace 2 Second Delay M-6 Initiators With 1 Second Delay T-34 Initiators. 6. Prepare And Issue A Service Bulletin And Fabricate The Necessary Kits. 											
REASON FOR PROPOSAL :											
SEE PAGE 2											
ES	ESTIMATED COST AND TIME INVOLVED :										
ADDITIONAL FUNDING REQUIRED :											
CP	ESTIMATED COST FOR KITS OR PARTS : SEE PAGE 3										
ADDITIONAL FUNDING REQUIRED : NONE SP-1922 & SP-1923											
ITEMS AFFECTED BY PROPOSAL :											
SAFETY <input checked="" type="checkbox"/>	MISSION EFFECTIVENESS <input type="checkbox"/>	PERFORMANCE <input type="checkbox"/>	OPERATING PROCEDURE <input checked="" type="checkbox"/>	INTER-CHANGEABILITY <input checked="" type="checkbox"/>	WEIGHT OR WEIGHT & BALANCE <input type="checkbox"/>	TOOLS & SUPPORT EQUIPMENT <input type="checkbox"/>	MAINTENANCE PROCEDURE <input checked="" type="checkbox"/>	SERVICE LIFE <input type="checkbox"/>	FLIGHT MANUAL <input checked="" type="checkbox"/>	MAINTENANCE MANUAL <input checked="" type="checkbox"/>	
EST. MAN/HRS. REQ'D. TO ACCOMPLISH CHANGE IN FIELD											
SOURCE OF PARTS FOR KIT LAC					AVAILABILITY 10 WEEKS AFTER APPROVAL						
DISPOSITION OF SPARES AFFECTED NONE											
INITIATED BY : WSPO/PROJECT/LAC					APPROVED : <i>[Signature]</i>		PROJECT		STAT		
Approved For Release 2002/10/31 : CIA-RDP89B00980R000200180062-6											

NATURE OF PROPOSAL

In general, the reason for the Change Proposal is to eliminate deficiencies in the ejection system which were discovered during a recent test program. More detailed reasons for each change consist of the following:

1. The present M-4 should be more powerful so as to achieve greater ejection clearances under adverse conditions; to better overcome track friction in the system; and to provide more thrust for canopy breakage.
2. The track modification reduces friction and eliminates the potential for interference which presently exists.
3. The head bar modification provides easier canopy penetration for through-canopy ejection.
4. Self-explanatory.
5. It is felt that a 2 second delay from "0" ring pull to catapult firing is too great as it the 2 second delay from catapult firing to lap belt unlatch. A one second delay for each of these functions will improve the system.

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